File Wes Lu Monitoring St Louis C

LACLEDE GAS COMPANY

Laboratory Division

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June 30, 1981

Reitz & Jens, Inc
Attn Mr David E Murray
1040 N Lindbergh
St Louis MO 63132

Dear Mr Murray

This report concerns results of analysis performed by our Laboratory on three (3) well water samples These samples were taken from West Lake Landfill and are identified as MW#1, MW#2 and MW#3

The methods for analysis were taken from "Standard Methods 14th edition" and the "Methods for Chemical Analysis of Water & Wastes" All samples were filtered before analysis was initiated

If there are any questions, please feel free to call

Sincerely,

William T Fitzgerald

WTF eb

TEST PARAMETER	MW #1	MW#2	MW#3
pH (units)	7 5	7 7	7 5
Alkalinity (mg/l)	450 0	320 0	250 0
Conductivity	690 0	600 0	725 0
Total dissolved solids (mg/l)	556 0	561 0	705 0
Color Odor (observation only)	Cloudy No odor	Cloudy No odor	Muddy No odor
B O D - 5 day (mg/l)	4 0	7 0	3 95
C O D (mg/l)	11 85	14 75	1 0
T O C (mg/l)	7 0	6 9	9 1
Ammonia as N (mg/l)	*0 1	*0 1	*0 1
Total hardness (mg/l) calculated as $CaCO_3$	258 55	128 82	142 61
Boron (mg/l)	*0 1	0 1	0 2
Cyanide (mg/l)	*0 1	*0 1	*0 1
Chloride (mg/l)	0 25	28 49	37 74
Flouride (mg/l)	16 0	22 0	40 00
Total phosphoroue (mg/l)	*0 1	*0 1	*0 1
Sulfate (mg/l)	440 0	880 0	1900 0
Sulfide (mg/l)	*0 4	*0 4	*0 4

*less than

TEST PARAMETER	MW#1	MW#2	MW#3
Aluminum (ppm)	*1 00	*1.00	*1 0
Arsenic (ppm)	*0 0025	*0 0025	*0 0025
Barium (ppm)	*0 4	*0 4	*0 40
Cadmium (ppm)	*0 03	*0 03	*0.03
Calcium (ppm)	41 0	26 90	29 40
Chromium (ppm)	*0.1	*0 10	*0 10
Cobalt (ppm)	*5 0	*5 0	*5 0
Copper (ppm)	*0 1	*0 10	*0 10
Iron (ppm)	0 5	*0 10	0 70
Lead (ppm)	*0 05	*0 05	*0 05
Magnesium (ppm)	34 67	13 55	15.56
Manganese (ppm)	0 61	0 13	0 30
Mercury (ppm)	*0 0001	*0 0001	*0 0001
Potassium (ppm)	5 35	5 48	4 94
Selenium (ppm)	*0 003	*0 003	*0 003
Silver (ppm)	*0 06	*0 06	*0 06
Sodium (ppm)	2 71	15 81	6 92
Zinc (ppm)	7 5	3 70	2 20

*less than